

Parameter	Value	Unit
Temperature	25	°C
Pressure	1.0	atm
Time	10	min
Concentration	0.1	M
Volume	10	ml
Flow rate	1.0	ml/min
Wavelength	254	nm
Path length	1.0	cm
Refractive index	1.33	
Viscosity	0.01	P
Density	1.0	g/cm ³
Surface tension	72	mN/m
Electrical conductivity	0.1	S/cm
Dielectric constant	80	
Thermal conductivity	0.6	W/mK
Heat capacity	4.2	J/gK
Enthalpy of fusion	10	kJ/mol
Enthalpy of vaporization	40	kJ/mol
Entropy of fusion	10	J/molK
Entropy of vaporization	100	J/molK
Free energy of fusion	10	kJ/mol
Free energy of vaporization	40	kJ/mol
Equilibrium constant	1.0	
Reaction rate constant	1.0	s ⁻¹
Activation energy	10	kJ/mol
Pre-exponential factor	1.0	s ⁻¹
Half-life	10	min
Decay constant	0.1	s ⁻¹
Mean free path	10	nm
Diffusion coefficient	1.0	cm ² /s
Permeability coefficient	1.0	cm ³ /cm ² s
Partition coefficient	1.0	
Distribution coefficient	1.0	
Stability constant	1.0	
Formation constant	1.0	
Dissociation constant	1.0	
Acid dissociation constant	1.0	
Base dissociation constant	1.0	
Equilibrium constant	1.0	
Reaction rate constant	1.0	s ⁻¹
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Equilibrium constant	1.0	
Reaction rate constant	1.0	s ⁻¹
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Pre-exponential factor	1.0	s ⁻¹
Half-life	10	

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